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PPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION N	
10/812,001	-	03/30/2004	Toshihiro Ishigaki	107156-00233	2653	
4372	7590	03/10/2005		EXAMINER		
		TNER PLOTKIN &	LE, HUYEN D			
1050 CONN SUITE 400	ECTICL	JT AVENUE, N.W.		ART UNIT PAPER NUMBE		
WASHINGT	ron, d	C 20036		2643		
				DATE MAILED: 03/10/2009	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

			54
	Application No.	Applicant(s)	
	10/812,001	ISHIGAKI ET AL.	
Office Action Summary	Examiner	Art Unit	
	HUYEN D. LE	2643	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply within the statutory minimum of thirty (3 will apply and will expire SIX (6) MONTH: cause the application to become ABAN	y be timely filed 60) days will be considered timely. S from the mailing date of this communication. DONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on			
	_· action is non-final.		
3) Since this application is in condition for allowar		s, prosecution as to the merits is	
closed in accordance with the practice under E			
Disposition of Claims			
4) Claim(s) 1 and 2 is/are pending in the application			
4a) Of the above claim(s) is/are withdrav 5) Claim(s) is/are allowed.	vii irom consideration.		
6)⊠ Claim(s) <u>1 and 2</u> is/are rejected.			
7) Claim(s) is/are objected to.		•	
8) Claim(s) are subject to restriction and/or	r election requirement.		
Application Papers			
9) The specification is objected to by the Examine	r.		
10) The drawing(s) filed on is/are: a) acce		the Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s)	is objected to. See 37 CFR 1.121(d).	
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached C	ffice Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 		19(a)-(d) or (f).	
Certified copies of the priority documents		lication No	
3. Copies of the certified copies of the prior			
application from the International Bureau		Joined III tillo Mational Otage	
* See the attached detailed Office action for a list of	• • • • • • • • • • • • • • • • • • • •	ceived.	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Sum	mary (PTO-413) lail Date	
2) \(\sum \) Notice of Draftsperson's Patent Drawing Review (P10-948) 3) \(\sum \) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)		mal Patent Application (PTO-152)	
Paper No(s)/Mail Date <u>3/30/04</u> .	6) Other:		

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

2. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sexton (U.S. patent 3,877,885).

Regarding claims 1-2, Sexton teaches a conductor wire that includes an alloy of aluminum, magnesium and silicon with a purity of aluminum greater than 90 %, and copper cladding therearound as claimed (col. 4, lines 18-33 and lines 51-53).

Sexton does not specifically teach a copper cladding rate as claimed. However, Sexton does teach that the sizes or the thickness of the copper-cladding material could be selected relative to the total volume of the wire.

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Therefore, it would have been obvious to one skilled in the art to provide any rate for the copper cladding of the Sexton wire such as a rate of 25-40% of the volume of the wire depending on the applications for preventing cladding effects and wire breaks.

Further, Sexton does not teach that the electrical conductor wire is used as a voice coil for a loudspeaker. However, providing an electrical conductor wire to be used as a voice coil in a loudspeaker is known in the art.

Therefore, it would have been obvious to one skilled in the art to provide the electrical conductor wire of Sexton to be used as a voice coil for a loudspeaker for greater application.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kitazawa et al. (U.S. patent 6,178,623) teaches a composite lightweight copper plated aluminum wire.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUYEN D. LE whose telephone number is (703) 305-4844. The examiner can normally be reached on 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CURTIS KUNTZ can be reached on (703) 305-4708. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HL

March 4, 2005

PRIMARY EXAMINER